ABSTRACT

A novel composition and method for solubilizing amphiphilic drugs in a small amount of organic solvent for use in improved liposomes is disclosed. A phosphatidylglycerol is acidified in a small amount of organic solvent. The amphiphilic drug, such as Amphotericin B, suspended in organic solvent is then added to the acidified phosphatidylycerol and a soluble complex is formed between the phosphatidylglycerol and the amphiphilic drug. When the liposome composition incorporating the soluble complex is hydrated, the final pH of the hydrating aqueous buffer is carefully controlled. The Amphotericin B liposomes formed have markedly reduced toxicity.